



SEQUENCE LISTING

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TECH CENTER 1600/2900

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<120> NON-ANAPHYLACTIC FORMS OF ALLERGENS AND THEIR USE

<130> 1614-251P

BS
<140> 09/897,042

<141> 2001-07-03

<160> 21

<170> PatentIn Ver. 2.0

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<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Oligonucleotide
Primer

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<210> 2

<211> 29

<212> DNA

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Primer

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<210> 3

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<223> Description of Artificial Sequence:Oligonucleotide Primer

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<223> Description of Artificial Sequence:Oligonucleotide Primer

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<210> 8
<211> 26
<212> DNA
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<400> 8
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<210> 9
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<223> Description of Artificial Sequence:Oligonucleotide Primer

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<210> 11
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ggaaattcca tatgggtggac cacacaaatc 30

<210> 12
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 <213> Artificial Sequence

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 Primer

<400> 12
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<210> 13
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 Met Asn Leu Val Pro Met Asn
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 <212> PRT
 <213> Betula sp.

<400> 14
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 1 5 10 15

tat cca tca cac tgg cgg ccg ctc gag cag atc cgg ctg cta aca aag 96
 Tyr Pro Ser His Trp Arg Pro Leu Glu Gln Ile Arg Leu Leu Thr Lys
 20 25 30

ccc gaa agg aag ctg agt tgg ctg ctg cca ccg ctg agc aat aac tag 144
Pro Glu Arg Lys Leu Ser Trp Leu Leu Pro Pro Leu Ser Asn Asn
35 40 45

<210> 16
<211> 47
<212> PRT
<213> Betula sp.

<400> 16
Met Asn Leu Val Pro Met Asn Pro Leu Val Met Asn Gly Phe Cys Arg
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Tyr Pro Ser His Trp Arg Pro Leu Glu Gln Ile Arg Leu Leu Thr Lys
20 25 30

Pro Glu Arg Arg Leu Ser Trp Leu Leu Pro Pro Leu Ser Asn Asn
35 40 45

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taa 51

<210> 18
<211> 16
<212> PRT
<213> Betula sp.

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<210> 19
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<213> Betula sp.

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Gly Pro Gly Thr Ile Lys Lys Ile Ser Phe Pro Glu
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BS
<210> 20
<211> 12
<212> PRT
<213> Betula sp.

<400> 20
Thr Ile Lys Lys Ile Ser Phe Pro Glu Gly Phe Pro
1 5 10

<210> 21
<211> 12
<212> PRT
<213> Betula sp.

<400> 21
Lys Ile Ser Phe Pro Glu Gly Phe Pro Phe Lys Tyr
1 5 10